

Title: METHOD AND SYSTEM FOR PROVIDING ALONG-TRACK ALIGNMENT AND FORMATTING OF SYNTHETIC APERTURE RADAR (SAR) DATA, AND SAR IMAGE FORMATION ALGORITHMS USING SUCH METHOD AND SYSTEM

First Named Inventor: Walter G. Cararra

Atty. Docket No.: ERIM 0117 PUS

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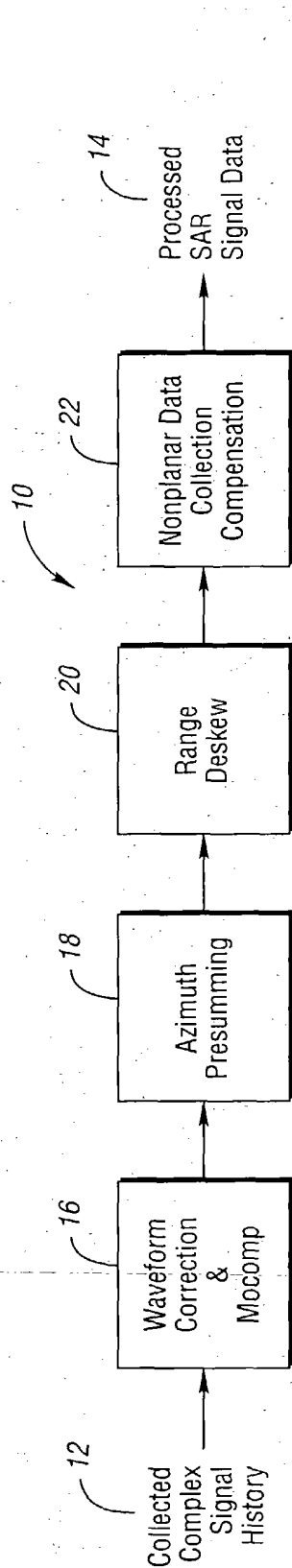


Fig. 1

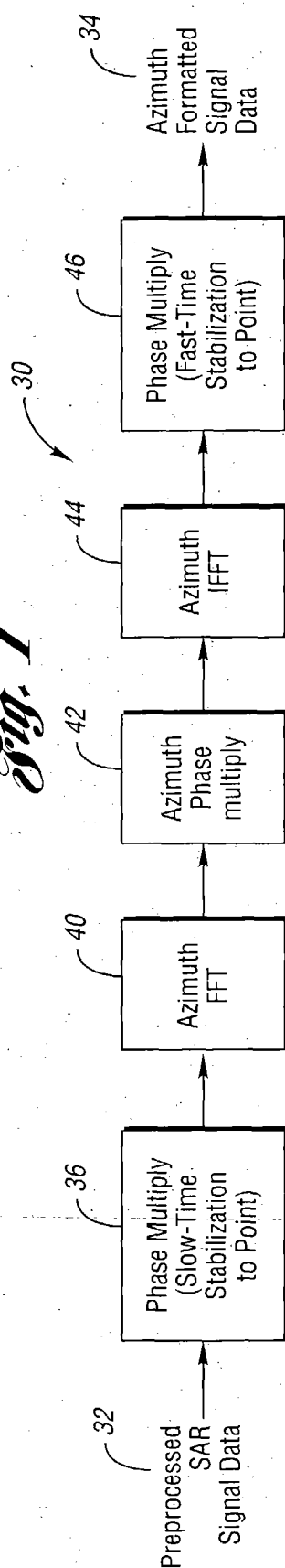


Fig. 2

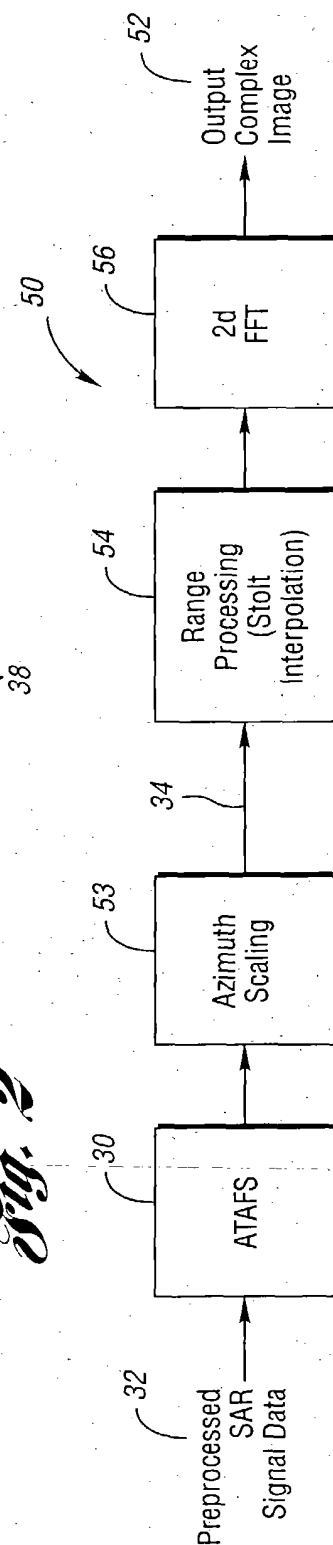


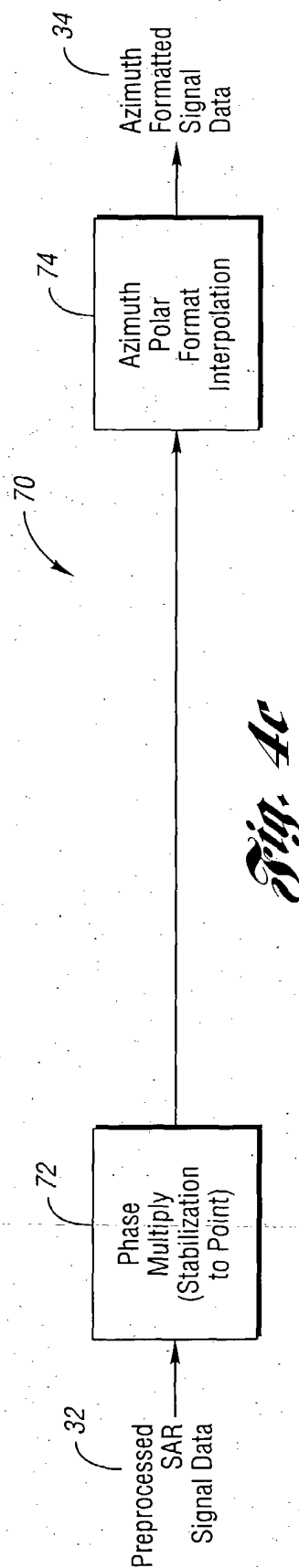
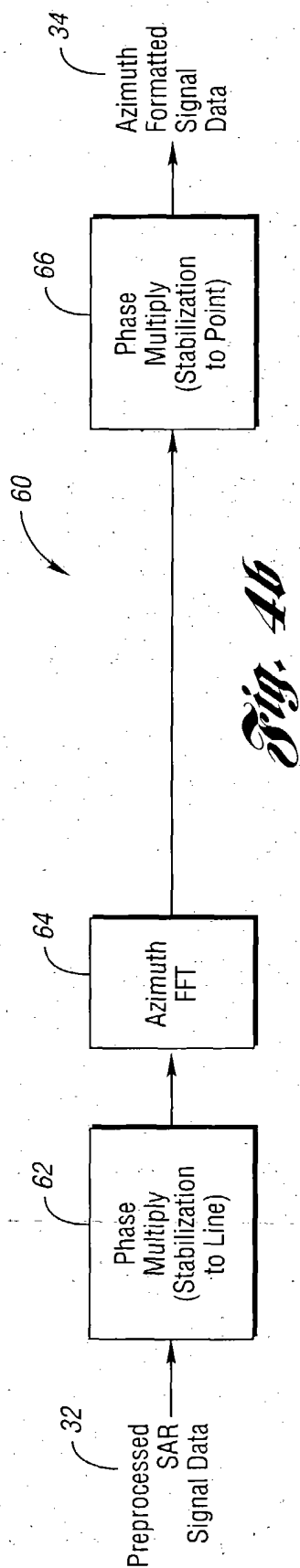
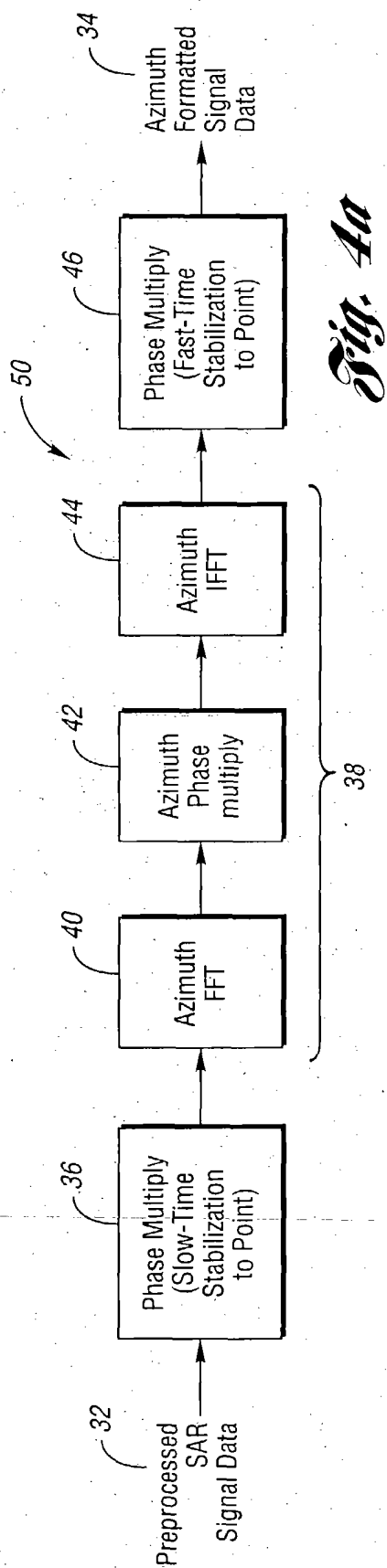
Fig. 3

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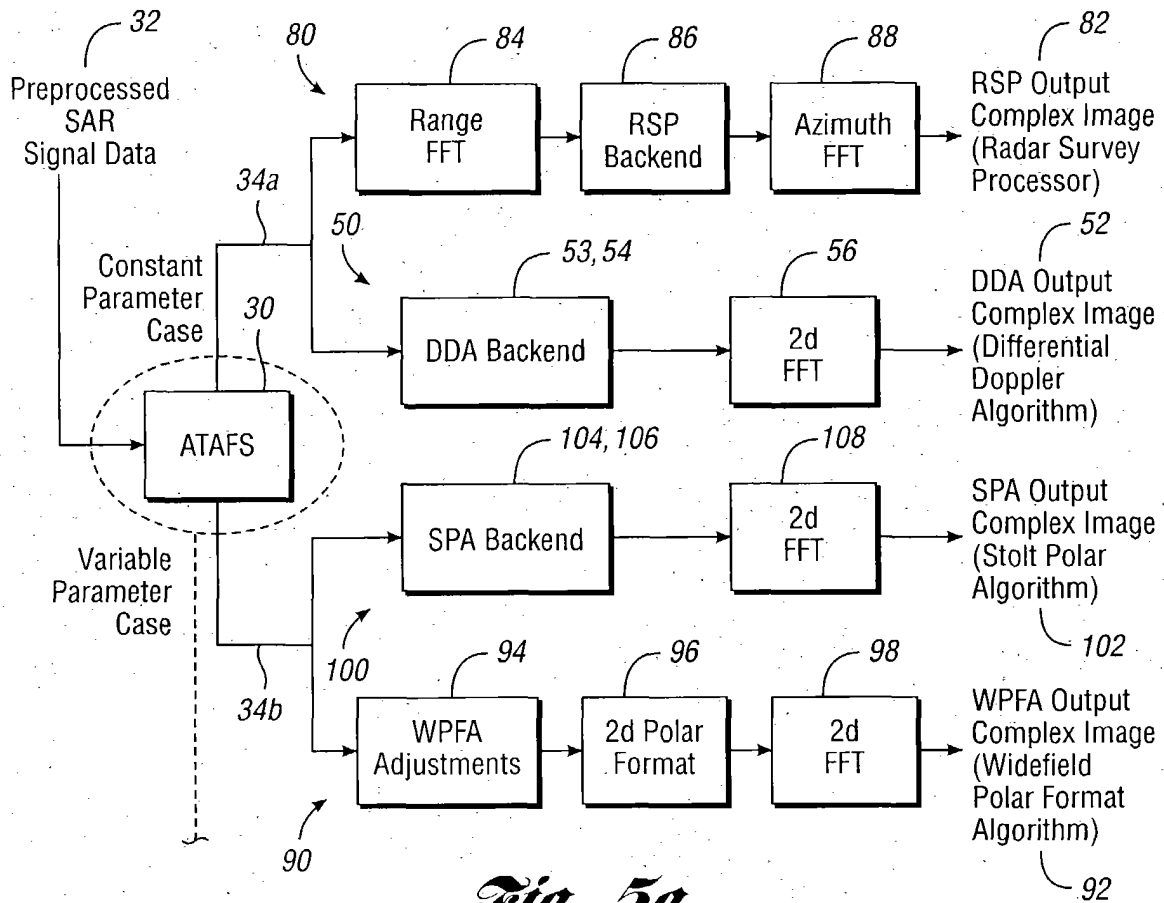


Fig. 5a

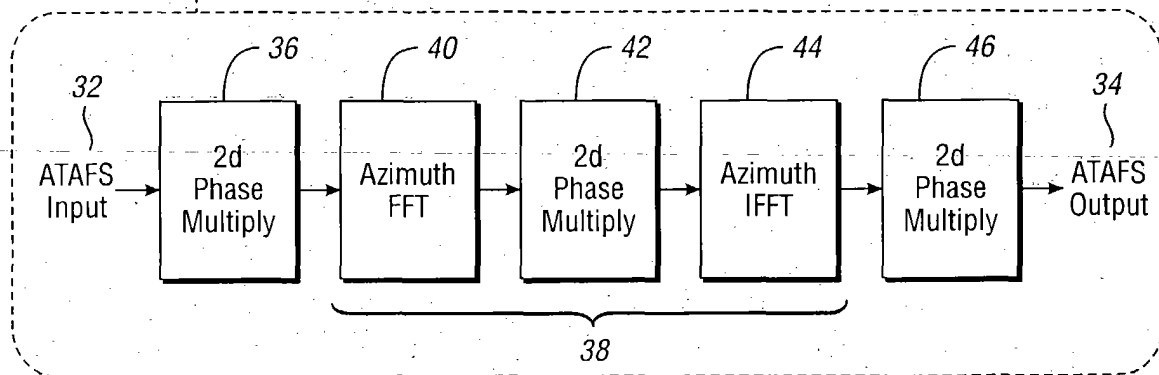


Fig. 5b

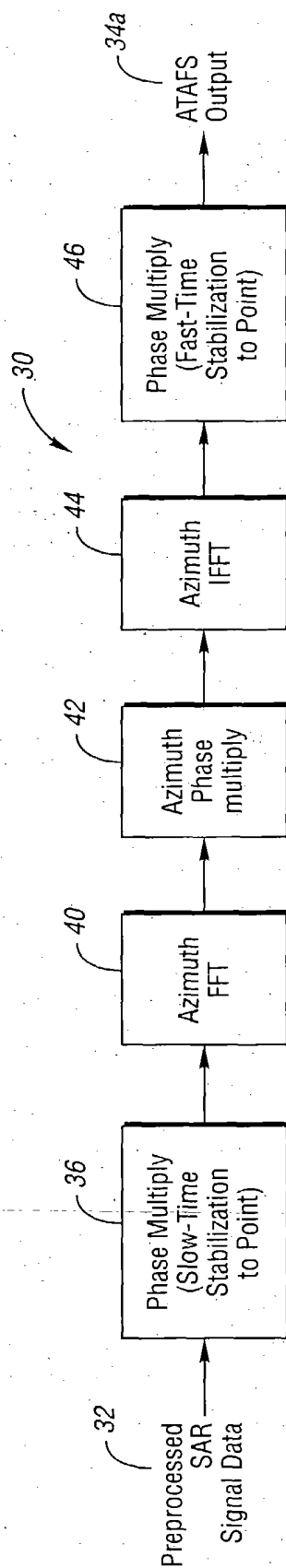


Fig. 6a

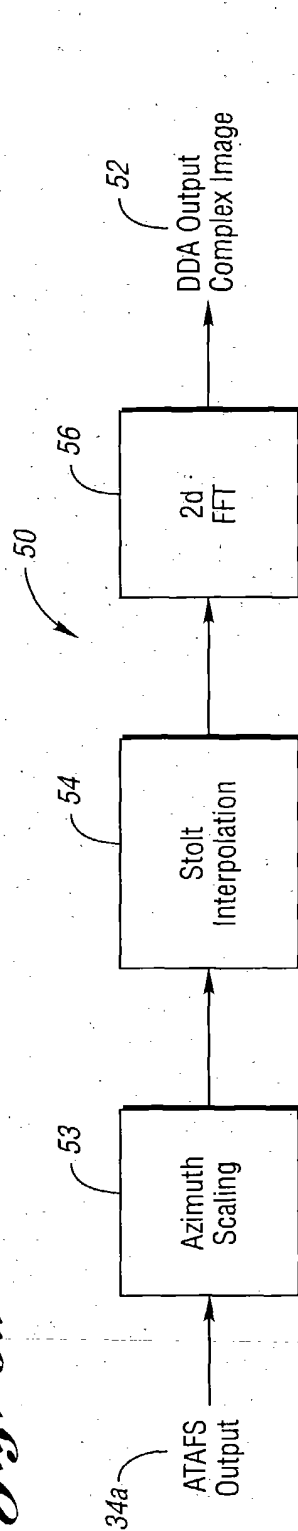


Fig. 6b

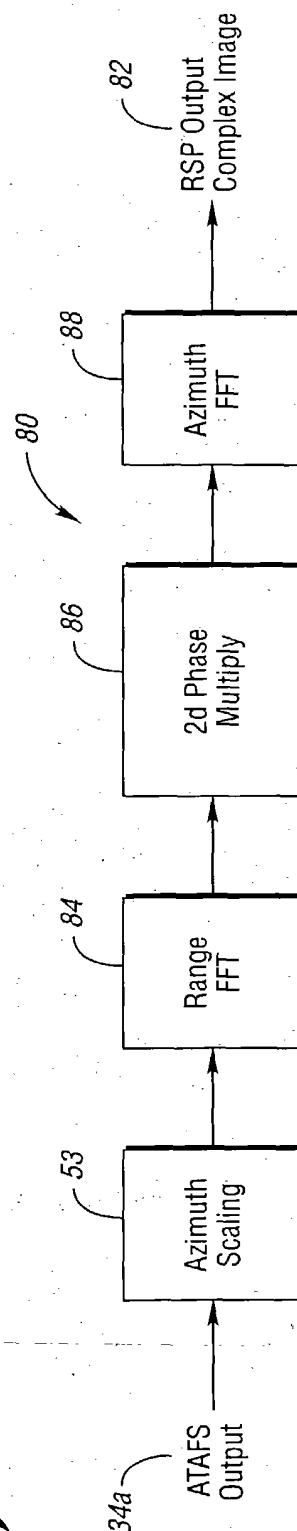


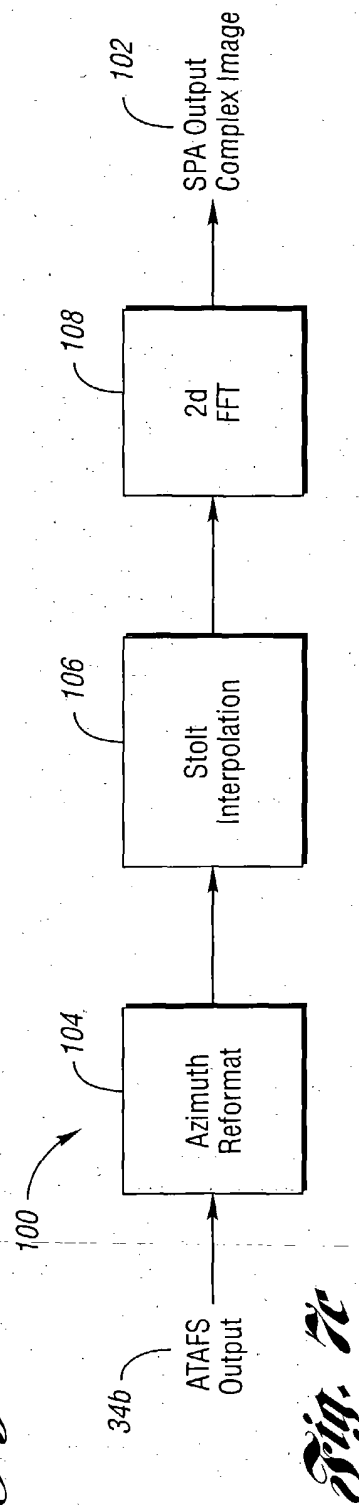
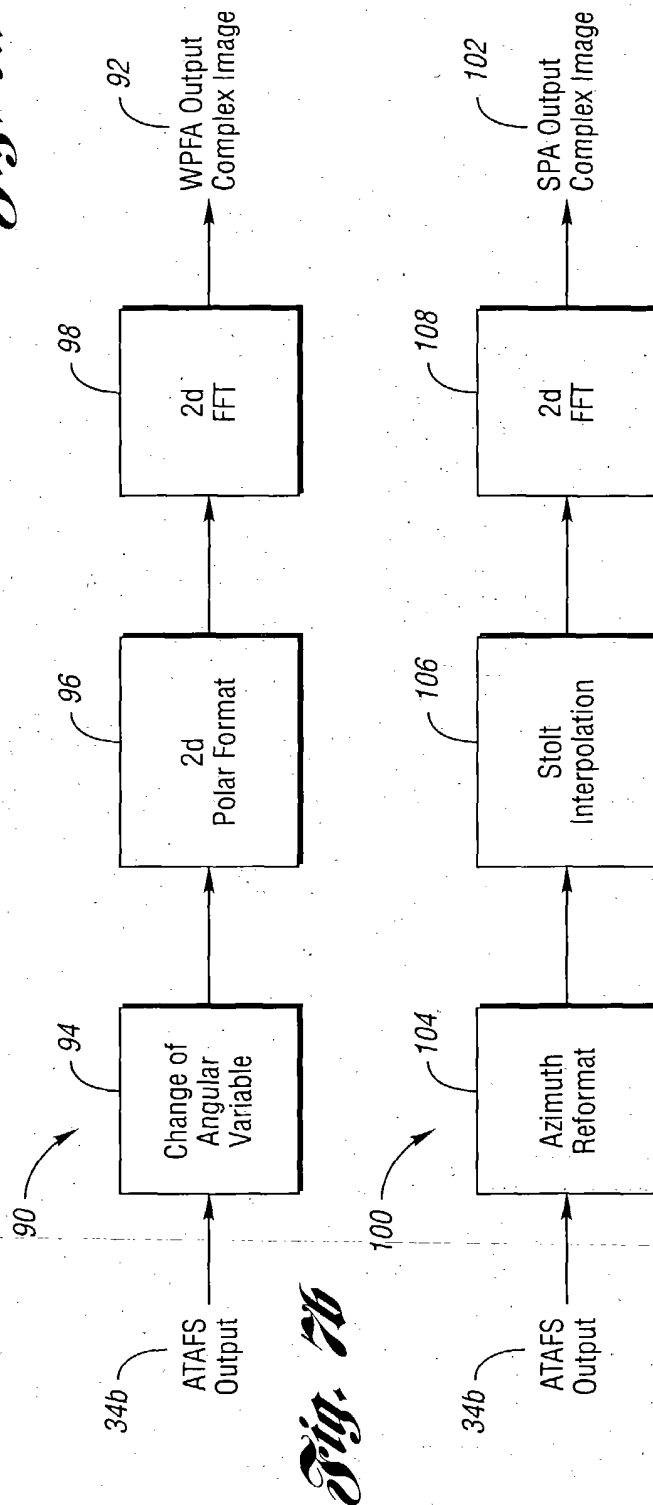
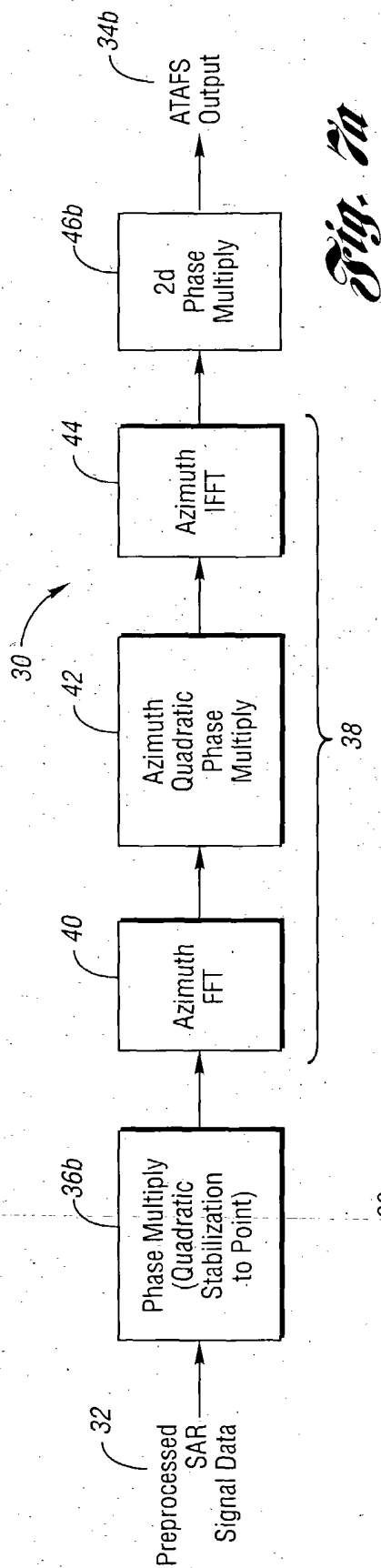
Fig. 6c

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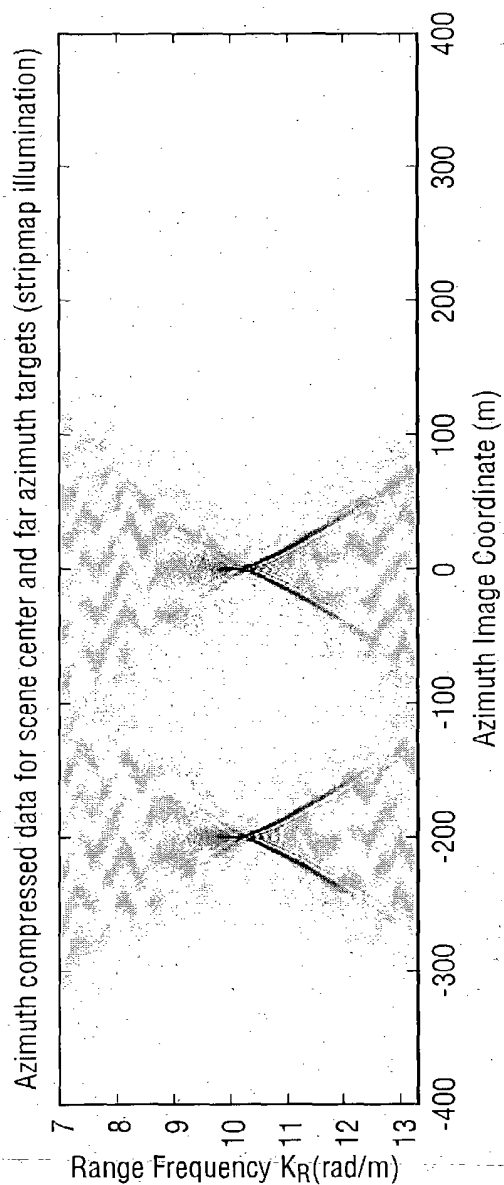


Fig. 8a

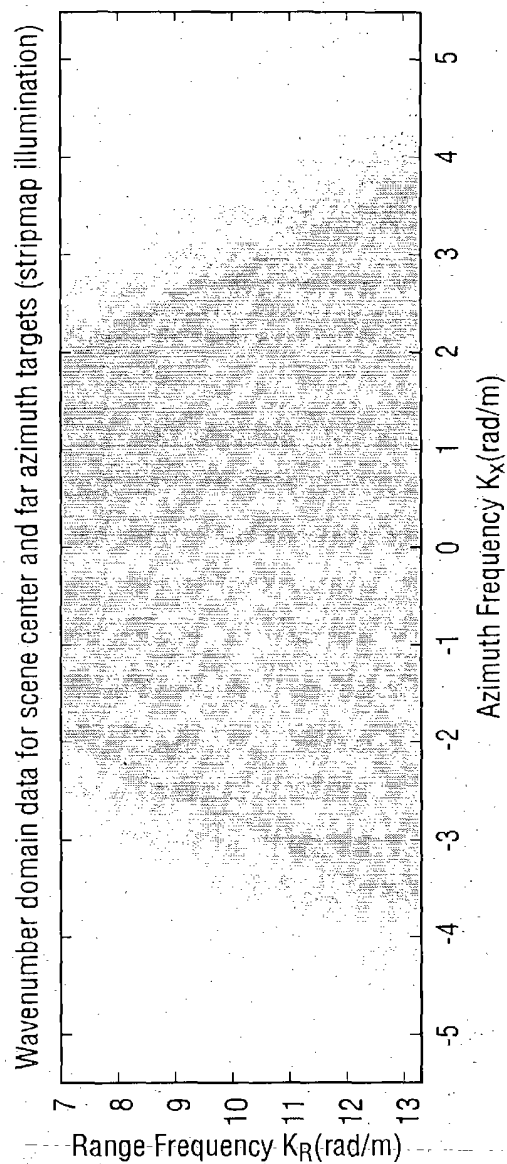


Fig. 8b

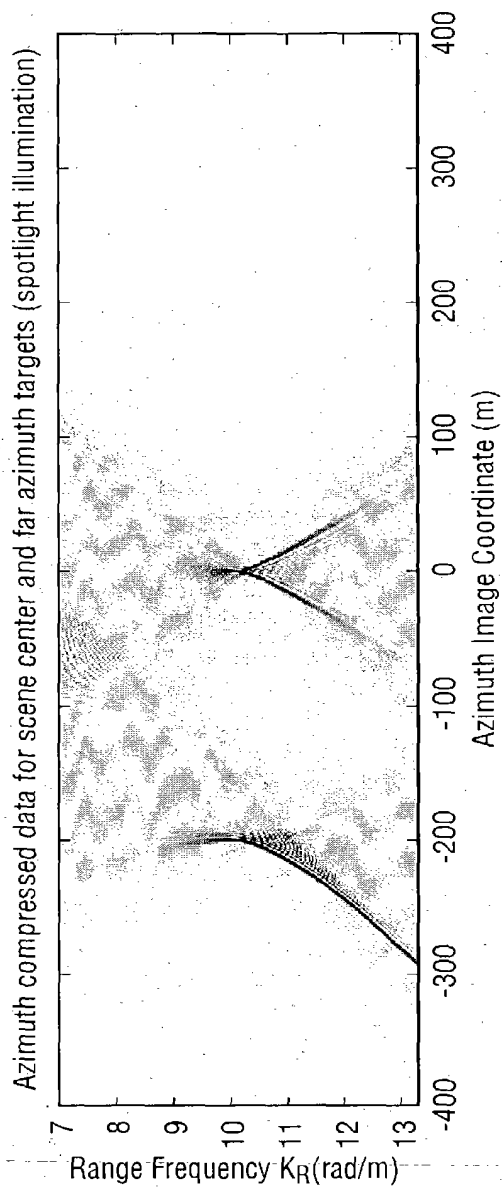


Fig. 9a

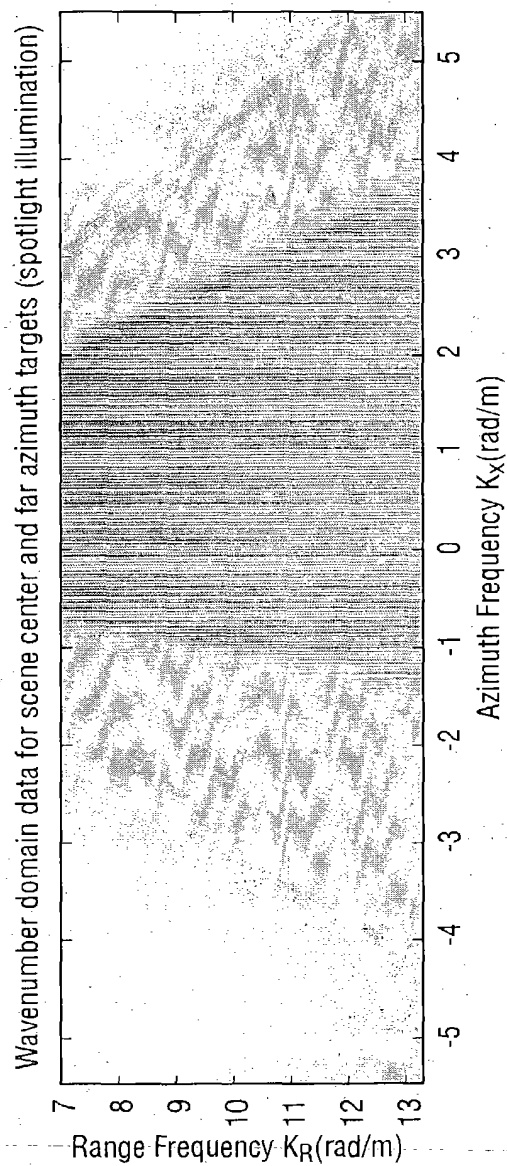


Fig. 9b

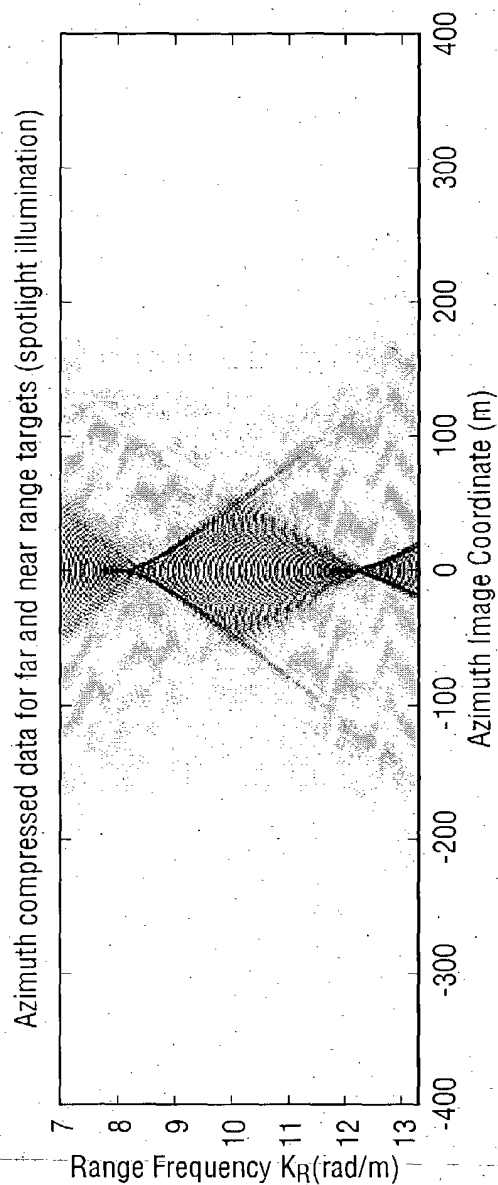


Fig. 10a

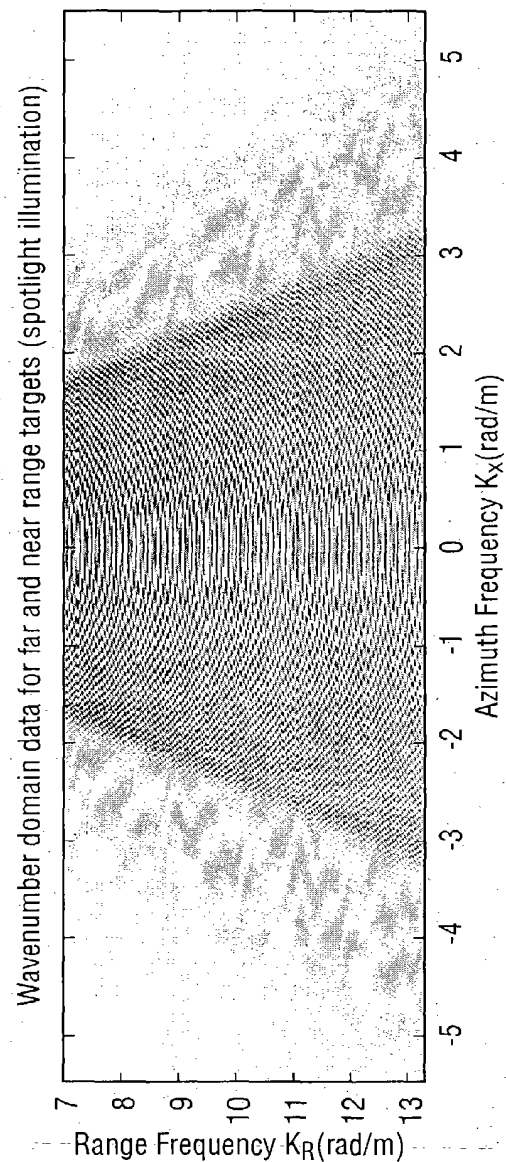


Fig. 10b

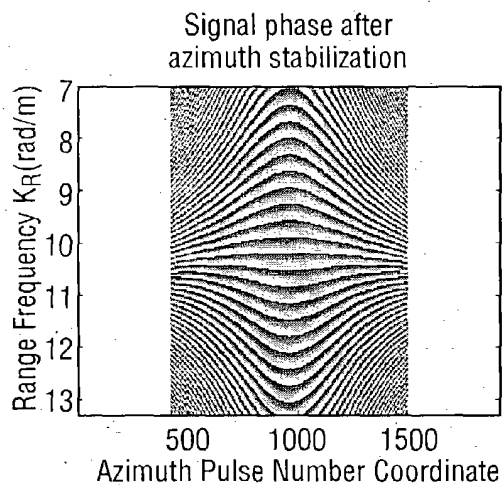


Fig. 11a

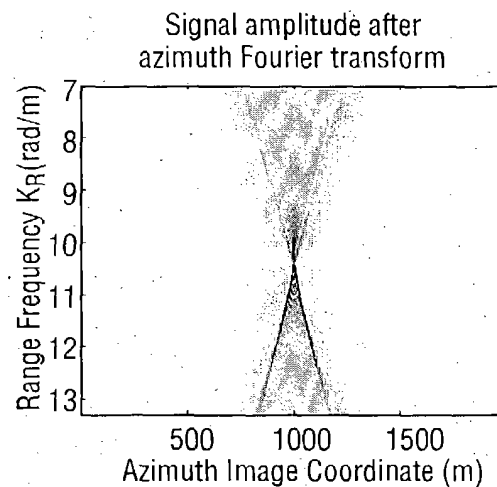


Fig. 11b

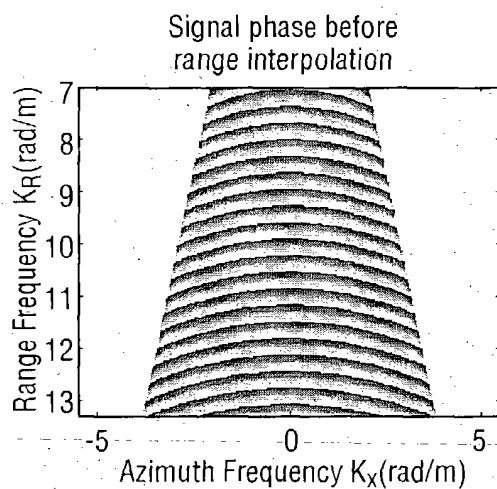


Fig. 11c

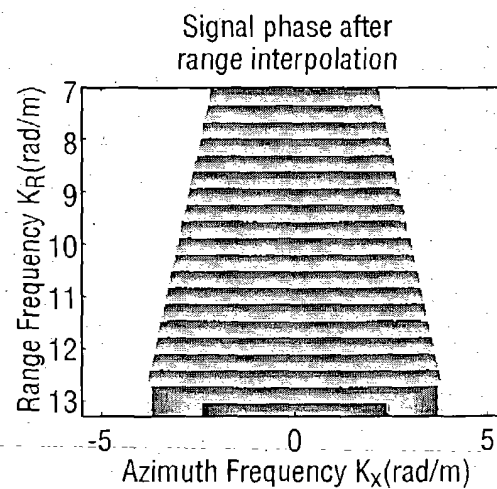


Fig. 11d

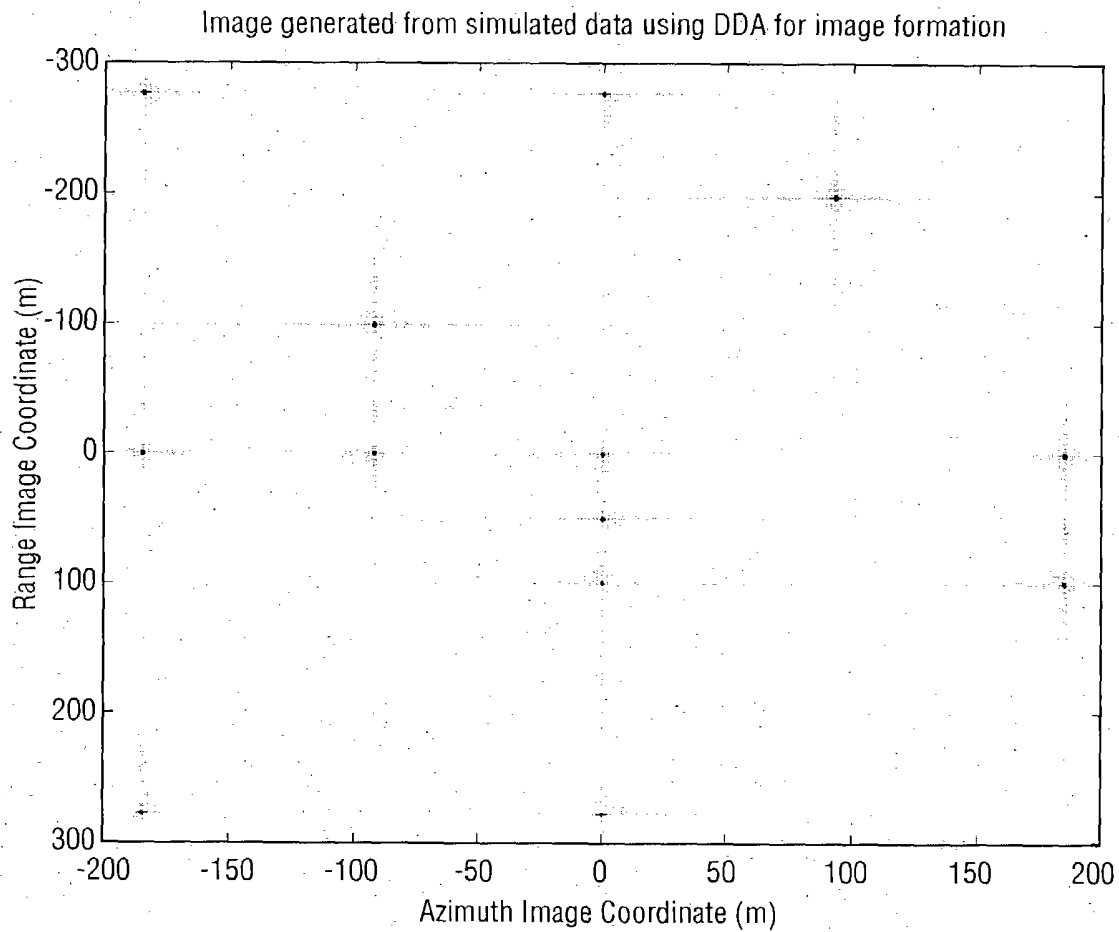


Fig. 12

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Azimuth Fourier transform of signal data with azimuth stabilization to a point

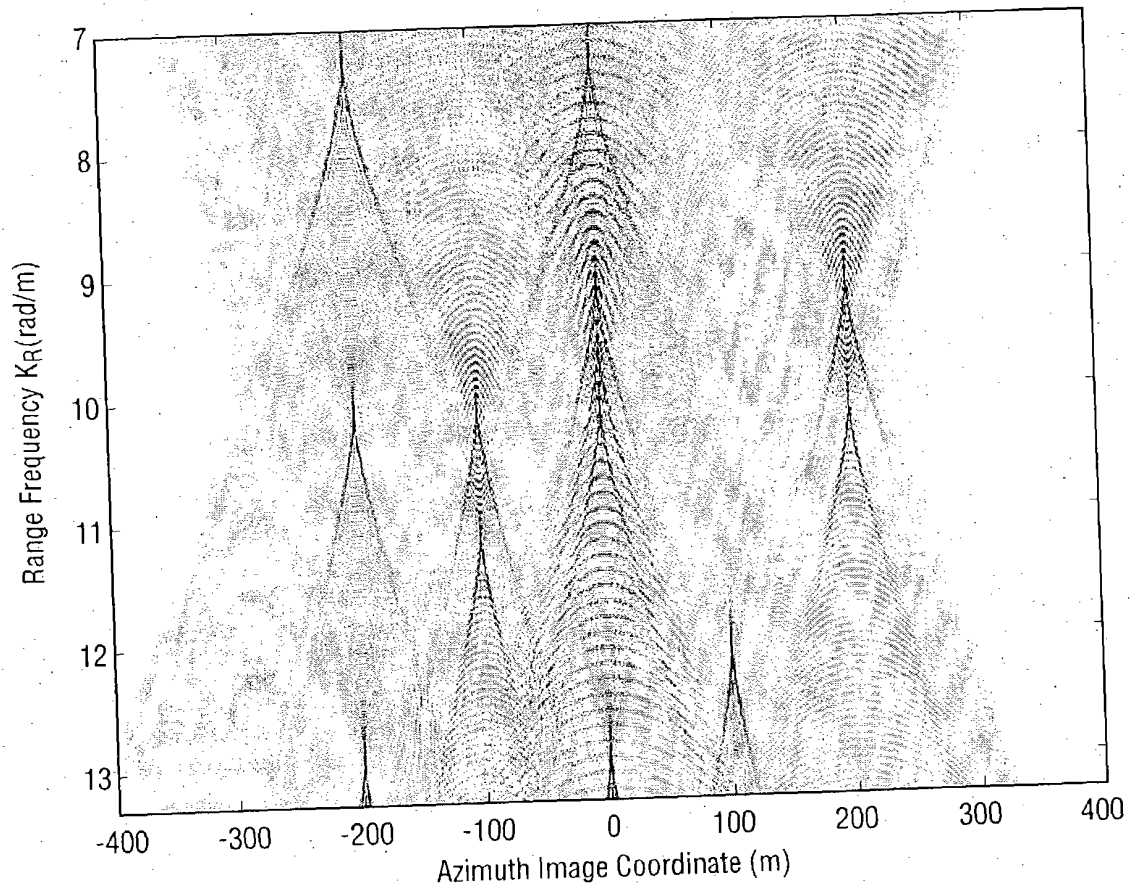


Fig. 13

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Azimuth Fourier transform of signal data with 2d stabilization to a point

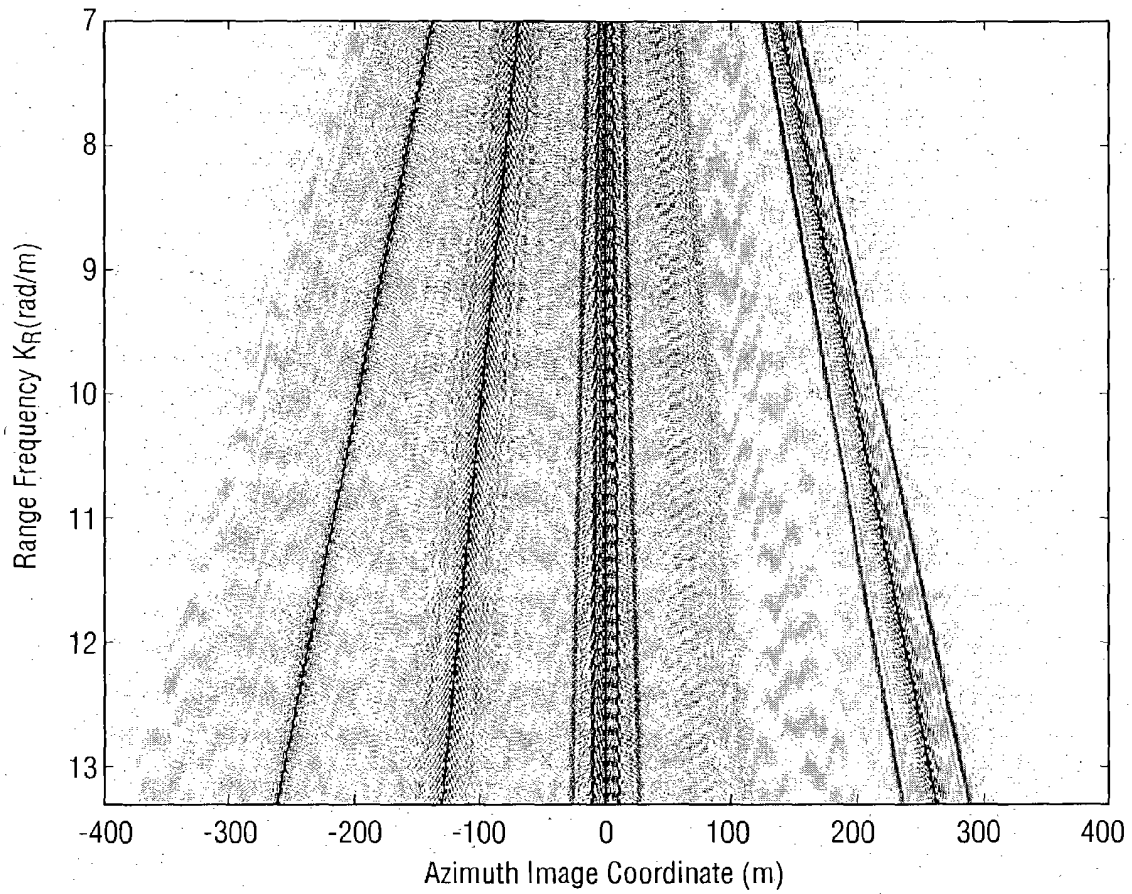


Fig. 14

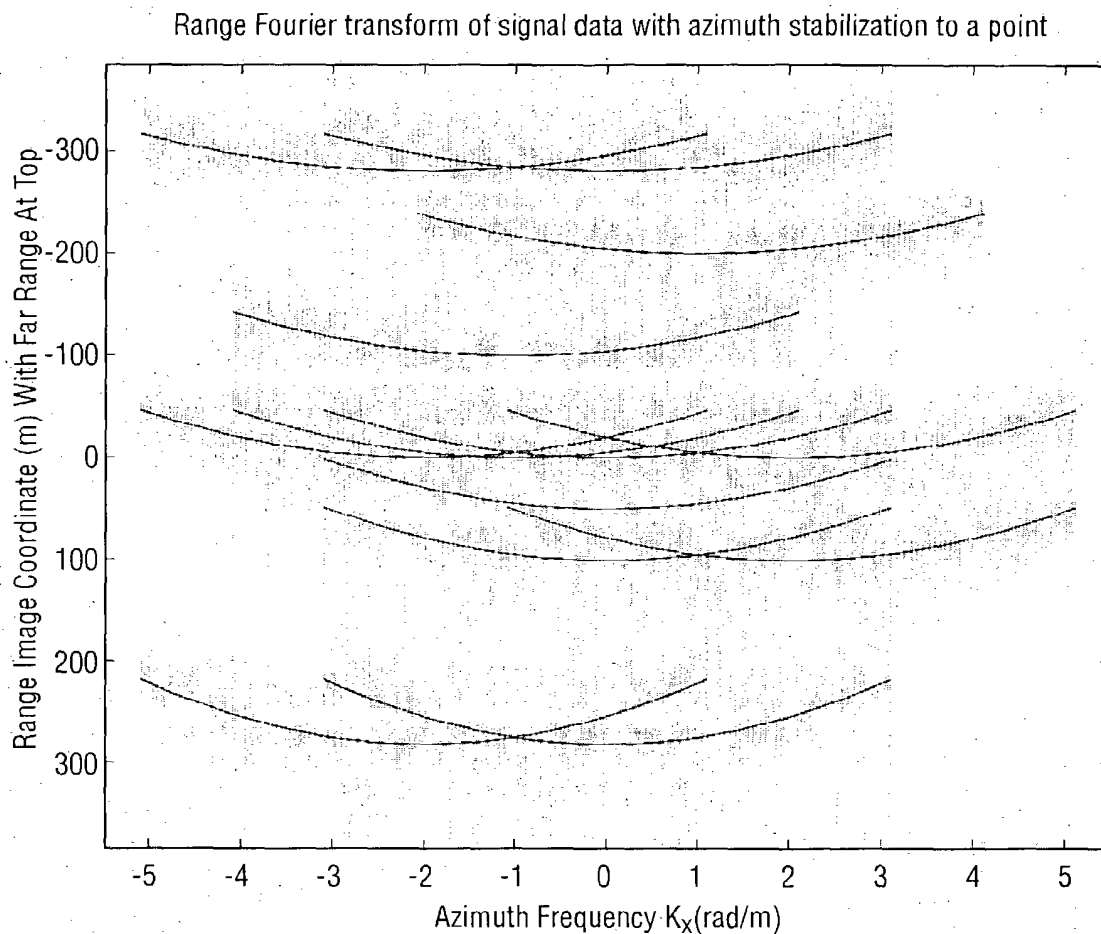


Fig. 15

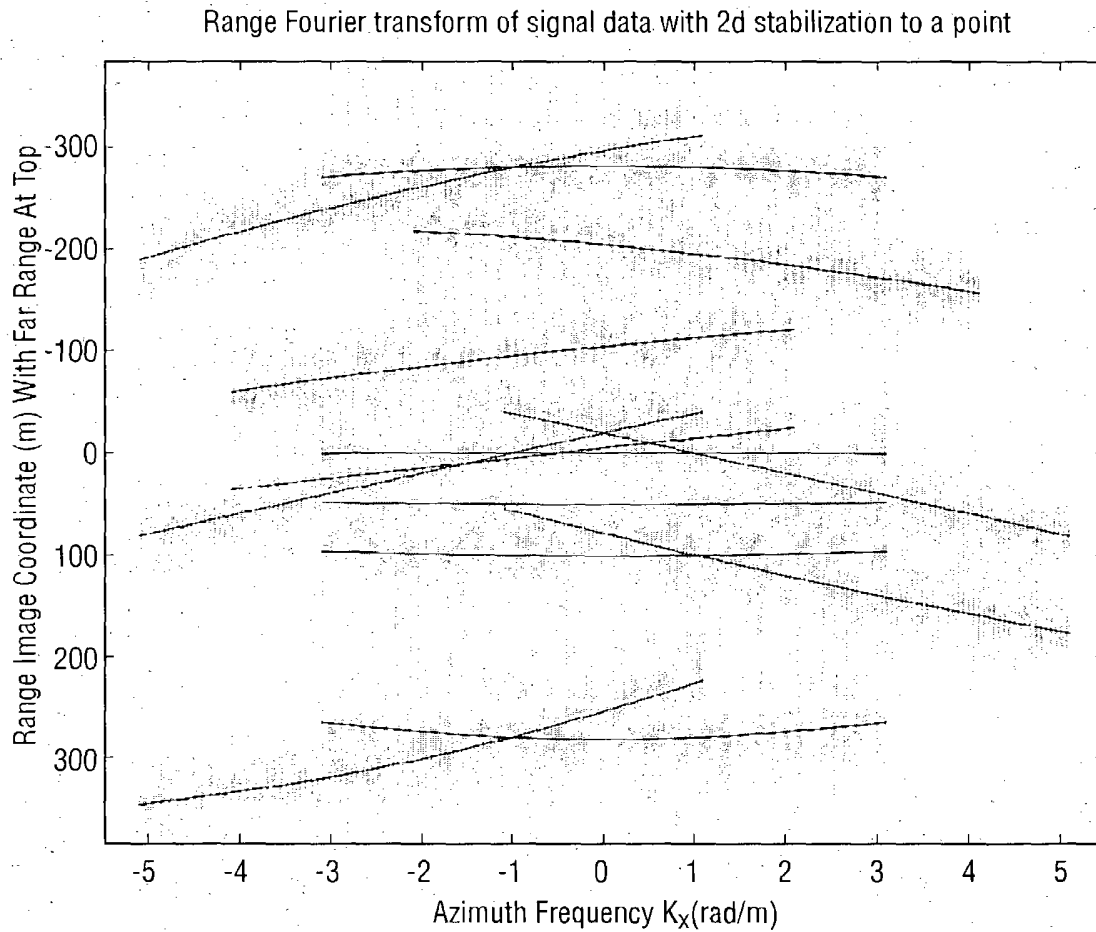


Fig. 16

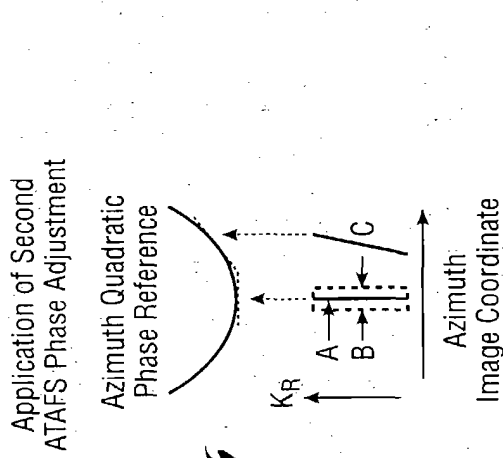


Fig. 17b

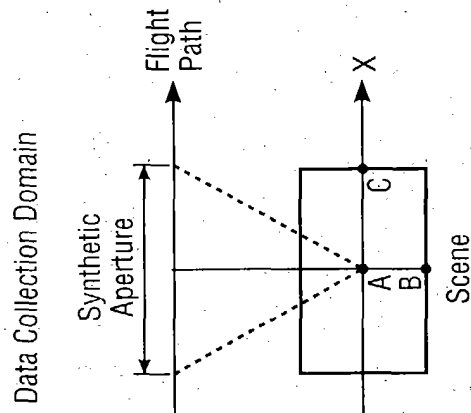


Fig. 17a

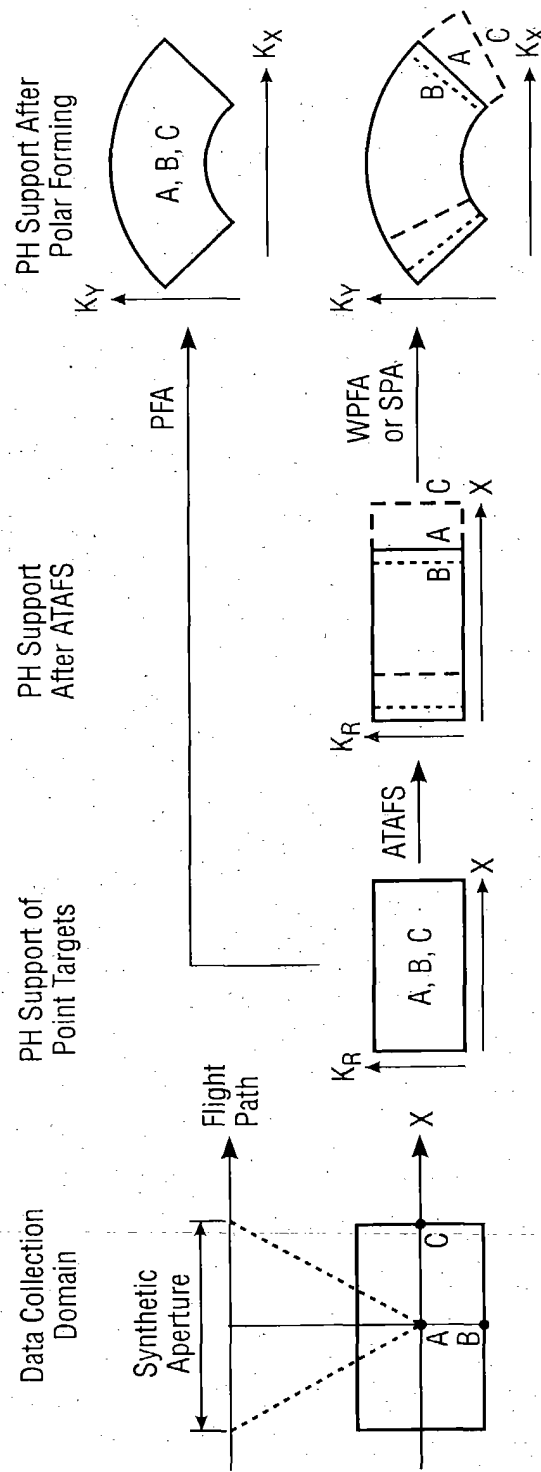


Fig. 18